

## Volume contents

### Volume 71 (1994)

B. Mädler, G. Klose, A. Möps, W. Richter, C. Tschierske (Leipzig, Jena and Halle, Germany), <i>Thermotropic phase behaviour of the pseudobinary mixture DPPC/C<sub>12</sub>E<sub>4</sub> at excess water</i> .....	1
R. Brodersen, H. Vorum, S. Andersen (Aarhus, Denmark), <i>Measurement of palmitate availability in serum samples: method and utility</i> .....	13
S. Sonnino, L. Cantù, M. Corti, D. Acquotti, B. Venerando (Milano and Pavia, Italy), <i>Aggregative properties of gangliosides in solution</i> .....	21
S.L. Krill, S.L. Gupta, T. Smith (Abbott Park, IL), <i>Pulmonary lung surfactant synthetic peptide concentration-dependent modulation of DPPC and POPG acyl chain order in a DPPC:POPG:palmitic acid lipid mixture</i> .....	45
M.A. Tricerri, H.A. Garda, R.R. Brenner (La Plata, Argentina), <i>Lipid chain order and dynamics at different bilayer depths in liposomes of several phosphatidylcholines studied by differential polarized phase fluorescence</i> .....	61
P. Mattjus, J.P. Slotte (Turku, Finland), <i>Availability for enzyme-catalyzed oxidation of cholesterol in mixed monolayers containing both phosphatidylcholine and sphingomyelin</i> .....	73
Z. Liang, N. Marklund, P.-O. Westlund, G. Wikander (Umeå, Sweden), <i>Order parameter theory of electron spin resonance line shape: application to the potassium oleate/water system</i> .....	83
Z.-H. Kuang, P.-F. Wang, R.-L. Zheng, Z.-L. Liu, Y.-C. Liu (Gansu, China), <i>Making vitamin C liposoluble enhances its protective effect against radical induced hemolysis of erythrocytes</i> .....	95
S. Hartmann, D.E. Minnikin, H.-J. Römming, M.S. Baird, C. Ratledge, P.R. Wheeler (Newcastle upon Tyne, Bangor, Hull and London, UK), <i>Synthesis of methyl 3-(2-octadecylcyclopropen-1-yl)propanoate and methyl 3-(2-octadecylcyclopropen-1-yl)pentanoate and cyclopropane fatty acids as possible inhibitors of mycolic acid biosynthesis</i> .....	99
<b>Short Communication</b>	
R. Felde, G. Spiteller (Bayreuth, Germany), <i>Search for plasmalogens in plants</i> .....	109
<b>Book Review</b> .....	115
<b>Obituary</b> .....	117
A. Nilsson, A. Holmgren, G. Lindblom (Umeå, Sweden), <i>An FTIR study of the hydration and molecular ordering at phase transitions in the monooleoylglycerol/water system</i> .....	119
K. Grebenkämper, H.-J. Galla (Münster, Germany), <i>Translational diffusion measurements of a fluorescent phospholipid between MDCK-I cells support the lipid model of the tight junctions</i> .....	133
P.A. Wallace, D.E. Minnikin, K. McCrudden, A. Pizzarello (Newcastle upon Tyne, UK), <i>Synthesis of (R,S)-10-methyloctadecanoic acid (tuberculostearic acid) and key chiral 2-methyl branched intermediates</i> .....	145
S. Labourdenne, N. Gaudry-Rolland, S. Letellier, M. Lin, A. Cagna, G. Esposito, R. Verger, C. Rivière (Marseille and Saint-Clément-lès-Places, France), <i>The oil-drop tensiometer: potential applications for studying the kinetics of (phospho)lipase action</i> .....	163

C. André, P. Luger, J.-H. Fuhrhop (Berlin, Germany), <i>The X-ray crystal structure of N-trideca-5,7-diyne-D-gluconamide at 295, 100 and 20 K: a superstructure-forming synthetic glycolipid</i> .....	175
P. Tassignon, P. de Waard, T. de Rijk, H. Tournois, D. de Wit, L. de Buyck (Wageningen, Netherlands; Gent, Belgium), <i>An efficient countercurrent distribution method for the large-scale isolation of dimorphicolic acid methyl ester</i> .....	187
J.-Y. Wang, Z.-Y. Wang, T. Kouyama, T. Shibata, T. Ueki (Satima and Sendai, Japan), <i>Significance of amino groups of phosphatidylethanolamine in phospholipid peroxidation of mixed liposomes</i> .....	197
A.U. Siddiqui, W.K. Wilson, G.J. Schroepfer, Jr. (Houston, TX), <i>Inhibitors of sterol synthesis. An improved chemical synthesis of 26-oxygenated <math>\Delta^{8(14)}</math>-15-ketosterols having the 25R configuration</i> .....	205
G. Won Han, J.R. Ruble, B.M. Craven (Pittsburgh, PA), <i>The crystal structure of 1,2-dipalmitoyl-sn-glycerol at 123 K</i> .....	219
S. Gerdon, S. Hoffmann, A. Blume (Kaiserslautern, Germany), <i>Properties of mixed monolayers and bilayers of long-chain 5-n-alkylresorcinols and dipalmitoylphosphatidylcholine</i> .....	229
<b>Short communication</b>	
M. Alaiz, J. Girón (Seville, Spain), <i>Reaction of N-(carbobenzyloxy)-L-histidine with E-2-octenal</i> .....	245
Subject index—Volume 71.....	249
Author index—Volume 71.....	253
Contents—Volume 71.....	255

